



Environnement Canada

Environnement Canada

Atmospheric Environment Service

Service de l'environnement atmosphérique

# MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS

JUNE

/ JUIN

19

89

AT/A WINNIPEG INT'L AIRPORT / AEROPORT INTERN. DE WINNIPEG

LAT: 49° 54' N		LONG: 97° 14' W		ELEVATION ALTITUDE: 239.6		METRES (ASL) METRES (NMM)		STANDARD TIME USED: CENTRAL												
DATE	TEMPERATURE TEMPERATURE			DEGREE-DAYS DEGRÉS-JOURS			REL. HUMIDITY HUMIDITÉ REL.		PRECIPITATION PRÉCIPITATIONS				WIND VENT			BRIGHT SUNSHINE INSOLATION EFFECTIVE HEURES				
	MAXIMUM MAXIMALE	MINIMUM MINIMALE	MEAN MOYENNE	HEATING DE CHAUFFE	GROWING DE CROISSANCE	COOLING DE RÉFRIGÉRATION	MAXIMUM MAXIMALE	MINIMUM MINIMALE	THUNDERSTORM ORAGE	RAINFALL PLUIE (HAUTEUR)	SNOWFALL NEIGE (HAUTEUR)	TOTAL PRECIP. TOTAL	SNOW ON GROUND NEIGE AU SOL	AVERAGE SPEED VITESSE MOYENNE	PREVAILING DIRECTION DOMINANTE		MAX 2 MIN MEAN SPEED & DIRECTION VITESSE MOYENNE MAX SUR 2 MIN & DIRECTION			
	°C	°C	°C	BASE 18.0°C	BASE 5.0°C	BASE 18.0°C	%	%		mm	cm	mm	cm	km/h		km/h				
1	27.4	9.3	18.4		13.4	0.4	96	20		0.6		0.6		13.6	WSW	NW 28	8.9			
2	19.5	5.0	12.3	5.7	7.3		90	26						19.6	N	N 35	13.1			
3	23.9	2.3	13.1	4.9	8.1		76	20						20.5	WSW	NNW46	15.5			
4	17.1	-0.8	8.2	9.8	3.2		84	34		TR.		TR.		9.2	S	S 17*	5.6			
5	22.1	10.1	16.1	1.9	11.1		95	37		3.2		3.2		7.5	N	N 19	13.3			
6	15.9	10.6	13.3	4.7	8.3		98	68	1	25.8		25.8		14.8	E	ENE30*	0.0			
7	15.0	4.9	10.0	8.0	5.0		98	51		16.4		16.4		25.3	NE	NE 37	0.2			
8	18.5	2.4	10.5	7.5	5.5		94	35						6.7	N	NE 15	15.6			
9	22.4	3.6	13.0	5.0	8.0		91	31						3.9	CALM	W 11	14.9			
10	23.2	8.5	15.9	2.1	10.9		78	37						12.3	S	S 20*	7.7			
11	21.4	13.5	17.5	0.5	12.5		94	57		9.4		9.4		17.7	SE	ESE30	0.8			
12	16.3	9.8	13.1	4.9	8.1		100	93		52.2		52.2		28.1	ENE	ENE41	0.0			
13	19.0	8.3	13.7	4.3	8.7		95	45		4.2		4.2		28.7	NE	NE 39	12.3			
14	21.6	4.5	13.1	4.9	8.1		89	37						7.2	NNE	NNE15*	15.9			
15	24.6	7.8	16.2	1.8	11.2		85	41						9.8	S	SW 17*	15.1			
16	26.0	13.0	19.5		14.5	1.5	69	35						21.3	S	S 35	15.4			
17	23.0	14.8	18.9		13.9	0.9	100	53		2.0		2.0		19.7	S	S 33*	6.8			
18	27.3	12.5	19.9		14.9	1.9	100	34		TR.		TR.		11.5	WSW	W 20*	14.5			
19	30.6	13.8	22.2		17.2	4.2	80	37						15.1	S	SSE28	15.3			
20	29.8	16.9	23.4		18.4	5.4	90	55		TR.		TR.		25.2	SSE	SSE41	4.5			
21	24.8	13.8	19.3		14.3	1.3	94	40		0.4		0.4		15.5	N	N 26	5.7			
22	24.4	12.5	18.5		13.5	0.5	90	47						10.6	NW	WNW19	13.8			
23	22.2	11.2	16.7	1.3	11.7		98	50		0.4		0.4		4.4	CALM	SSW11	5.9			
24	26.1	11.4	18.8		13.8	0.8	96	52	1	21.0		21.0		14.0	S	S 24*	6.3			
25	23.9	11.7	17.8	0.2	12.8		99	57		2.4		2.4		4.5	CALM	SE 09	9.9			
26	19.6	12.3	16.0	2.0	11.0		91	63	1	5.4		5.4		19.5	W	SW 30*	4.6			
27	22.0	11.8	16.9	1.1	11.9		98	58		1.6		1.6		12.4	W	W 19	13.5			
28	24.3	12.5	18.4		13.4	0.4	89	62		0.6		0.6		19.9	ESE	SSE28	7.7			
29	24.4	16.3	20.4		15.4	2.4	99	73	1	4.6		4.6		11.1	E	E 17	1.2			
30	30.2	15.0	22.6		17.6	4.6	98	54						7.5	WNW	WNW17	14.7			
MEAN MOYENNE	22.9	10.0	16.5	TOTAL 70.6	TOTAL 343.7	TOTAL 24.3	92	47	TOT 4	TOTAL 150.2	TOTAL 0.0	TOTAL 150.2		14.5	PREVAILING S DOMINANTE	MAXIMALE NNW46	TOTAL 278.7			
NORMAL NORMALE	23.1	10.5	16.8	69.9	354.3	34.2			6	80.1	Tr.	80.1		18.1	S		276.1			
DEGREE-DAY SUMMARY/SOMMAIRE DE DEGRÉS JOURS										DAYS WITH TOTAL PRECIPITATION: JOURS AVEC PRÉCIPITATIONS					DAYS WITH SNOWFALL: JOURS AVEC CHÛTE DE NEIGE.					
BELOW 18°C AU-DESSOUS DE 18°C		THIS YEAR ANNEE EN COURS	PREVIOUS YEAR ANNEE PRÉCÉDENTE	NORMAL NORMALE	ABOVE 5°C AU-DESSUS DE 5°C		THIS YEAR ANNEE EN COURS	PREVIOUS YEAR ANNEE PRÉCÉDENTE	NORMAL NORMALE	TOTALS: mm					cm					
										0.2 OR MORE - OU PLUS	1.0 OR MORE - OU PLUS	2.0 OR MORE - OU PLUS	5.0 OR MORE - OU PLUS	10.0 OR MORE - OU PLUS	0.2 OR MORE - OU PLUS	1.0 OR MORE - OU PLUS	2.0 OR MORE - OU PLUS	5.0 OR MORE - OU PLUS	10.0 OR MORE - OU PLUS	50.0 OR MORE - OU PLUS
TOTAL FOR MONTH TOTAL DU MOIS		70.6	11.6	69.9	TOTAL FOR MONTH TOTAL DU MOIS		343.7	511.5	354.3											
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1er JUILLET		5887.0	5362.1	5923.1	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1er AVRIL		656.1	882.7	608.1	16	12	11	4	1	0	0	0	0	0	0

UDC 551.506.1 ( )

Note/Avis

1. Climatological Day/Journée climatologique 00\_01 C S.T. - 00\_00 C S.T.

2. Normal/Normale 1951-1980

3. TR = Trace

4. M = Missing/Maquant

5. No entry/Pas de valeur = No occurrence/Pas d'événement

6. \* Indicates first of more than one prevailing direction and/or maximum 2 minute mean speed (see page 4)/Indique la première de plusieurs des directions dominantes et/ou la vitesse moyenne maximale sur 2 minutes (voir page 4).

7. C = Calm/Calm

\$2.75

\$27.30

\$2.75

\$27.30

8. Price: single issue ; annual (Jan. to Dec.) /Prix: numéro individuel ; annuel (janv. à déc.)



DRY-BULB TEMPERATURES AT: WINNIPEG INTERNATIONAL AIRPORT  
 TEMPERATURES DU THERMOMETRE SEC A: AEROPORT INTERN. DE WINNIPEG

1989  
1989

MONTH: JUNE  
MOIS: JUIN

1989  
1989

1989  
1989

1989  
1989

1989  
1989

Date	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	150	143	135	122	102	93	112	143	170	202	228	238	250	254	250	232	226	210	193	166	153	146	143	141
2	140	101	83	70	71	75	88	106	128	140	134	162	170	173	179	187	183	182	178	164	145	109	69	69
3	50	51	38	35	49	41	76	117	156	180	199	223	225	231	227	216	181	182	163	141	117	95	57	53
4	23	11	10	9	-5	-5	12	58	88	104	118	136	150	155	157	157	159	165	158	158	147	128	127	125
5	126	120	118	114	108	101	110	127	142	157	173	177	186	205	195	203	205	204	202	195	170	138	127	114
6	127	117	117	112	109	108	132	123	143	154	149	154	148	154	137	150	144	147	133	132	131	129	124	120
7	119	116	118	116	94	87	84	84	92	90	94	93	104	126	133	140	138	140	136	132	121	102	84	54
8	49	38	36	24	31	24	58	96	120	133	148	147	155	161	168	169	176	176	175	168	140	118	99	87
9	79	48	66	61	38	40	74	115	150	170	184	185	200	204	210	207	214	222	216	200	184	173	156	124
10	131	122	115	105	96	92	110	146	176	189	197	215	218	208	220	222	215	214	215	214	202	196	182	182
11	178	166	154	152	141	135	147	156	174	190	201	204	210	204	189	181	175	168	169	170	170	168	165	163
12	162	156	154	152	152	151	138	125	120	114	110	130	128	122	119	123	126	130	122	112	110	108	101	100
13	98	96	91	87	84	84	84	92	105	111	134	134	142	162	174	181	184	184	180	171	149	117	112	97
14	94	86	70	68	63	50	75	103	139	164	176	187	191	195	204	203	207	208	205	193	178	155	128	124
15	116	103	104	90	97	78	119	154	173	192	207	216	222	225	237	233	237	232	232	222	194	180	174	160
16	151	146	152	137	138	139	146	170	183	208	218	234	238	241	244	251	255	254	249	236	221	208	196	190
17	176	167	163	162	164	159	162	174	192	182	202	195	222	211	216	208	202	193	190	172	164	161	160	148
18	151	144	140	134	126	126	140	158	176	206	228	246	248	251	256	264	266	254	236	248	234	211	177	165
19	164	158	145	139	147	152	161	186	202	217	243	265	273	281	289	298	298	296	289	276	262	246	247	238
20	238	238	235	222	230	230	230	237	234	244	246	261	272	273	290	276	240	238	232	222	210	208	195	179
21	171	162	156	151	151	143	145	157	185	191	205	216	216	228	240	238	227	220	185	189	181	172	168	165
22	163	151	148	148	144	139	146	170	187	196	210	214	227	221	229	225	233	221	223	208	176	161	142	134
23	125	134	135	126	112	117	124	138	147	147	159	167	166	182	200	212	202	205	214	205	190	169	162	150
24	152	135	122	114	128	135	138	156	181	201	226	231	242	242	176	183	166	164	164	165	163	157	151	146
25	146	144	147	131	122	135	148	156	165	172	188	197	212	211	230	225	226	220	233	218	214	187	188	184
26	171	167	176	174	165	170	171	154	130	129	149	168	170	173	177	175	182	177	153	153	138	130	138	140
27	132	128	128	121	120	119	125	135	151	164	173	175	179	195	200	205	203	207	208	204	188	177	166	169
28	166	157	147	141	134	125	133	149	166	172	197	213	214	222	223	234	228	221	220	211	208	192	185	182
29	177	172	166	164	164	167	172	178	183	192	194	200	204	207	226	228	214	201	194	205	203	188	187	182
30	179	173	162	161	155	158	163	187	213	234	249	267	269	273	284	285	291	290	281	267	254	239	207	208

Note/Avis: 1. Climatological Day/Journée climatologique 0001 C.S.T. - 0000 C.S.T.  
 2. Hours are C.S.T./Les heures sont a l'heure normale de la localité  
 3. Unit/Unité = 0.1°C

Date	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	44	48	51	49	48	42	58	74	82	86	43	-7	15	25	22	9	27	64	94	114	126	123	133	132
2	129	75	58	48	52	58	56	54	54	36	5	19	-5	-6	2	10	13	-19	6	10	10	8	6	12
3	8	-2	-12	-10	1	1	15	22	24	22	27	18	5	-4	15	-22	36	28	16	-19	-7	-11	-16	-20
4	-27	-33	-27	-25	-28	-31	-19	1	13	3	3	-2	-5	-4	-6	9	15	22	25	28	28	44	48	47
5	49	73	91	85	92	92	102	103	115	116	103	84	62	65	49	55	64	65	58	52	68	71	61	64
6	65	65	65	62	63	62	74	87	96	97	113	126	127	130	123	132	129	126	126	122	118	114	118	117
7	117	13	113	111	84	74	71	59	48	31	36	39	44	56	58	51	41	39	44	39	28	24	31	31
8	27	21	21	15	16	13	31	39	31	26	28	14	21	31	27	27	30	16	23	29	47	47	54	47
9	44	31	39	39	26	23	60	72	72	64	45	43	43	47	52	52	39	55	45	65	59	49	51	54
10	50	47	48	50	50	53	68	81	84	90	68	80	68	69	67	74	76	83	81	87	81	82	84	81
11	82	80	77	76	78	78	80	85	97	103	117	126	134	154	160	166	165	158	156	158	159	156	149	149
12	149	150	149	149	149	149	135	119	111	107	104	126	124	117	112	118	124	126	117	107	103	98	92	90
13	93	89	81	76	68	69	64	64	70	68	85	82	83	90	87	73	69	65	56	51	64	64	51	55
14	55	50	48	42	39	32	54	68	68	74	67	54	35	45	68	59	57	76	83	88	78	71	86	81
15	68	68	58	54	42	55	82	86	81	102	104	76	92	98	103	101	104	95	94	109	113	109	102	102
16	92	85	79	78	79	75	83	97	100	117	98	102	93	94	98	95	98	91	87	103	99	94	87	86
17	83	80	80	81	81	84	85	88	93	97	111	117	128	127	129	130	135	138	146	163	158	157	155	146
18	150	144	140	130	119	115	116	126	133	149	145	121	118	123	108	110	96	113	84	102	108	113	113	113
19	104	110	108	104	98	101	106	117	130	145	153	160	159	160	165	160	149	135	139	153	156	160	156	156
20	150	145	142	142	139	138	142	142	149	159	154	172	182	187	196	191	179	175	168	173	170	156	160	158
21	154	149	127	125	115	104	108	101	115	112	120	116	113	105	114	122	96	75	112	122	130	128	130	121
22	120	116	117	112	113	122	123	125	122	133	141	120	108	117	116	113	115	113	109	105	110	107	102	103
23	103	113	113	110	105	108	115	121	121	125	129	130	128	125	113	103	115	111	113	126	122	114	118	115
24	113	108	105	101	113	116	117	126	134	141	142	127	138	145	136	141	132	138	136	139	137	137	138	138
25	138	138	137	128	118	131	143	142	142	148	153	153	158	141	146	136	158	156	155	157	149	156	160	159
26	152	145	138	148	149	152	153	118	113	118	127	117	108	101	107	103	115	122	126	114	118	108	116	116
27	117	117	122	114	117	113	117	122	125	132	131	130	130	131	126	122	121	134	136	128	122	132	140	131
28	126	121	119	116	111	107	109	117	128	129	137	145	146	146	152	158	153	155	153	153	151	150	146	143
29	141	157	157	156	155	156	157	156	154	161	160	163	171	171	182	181	176	185	185	189	191	181	182	178
30	178	166	157	156	146	155	158	173	182	184	177	178	185	191	195	189	186	199	205	200	196	191	186	188

Note/avis: 1. Climatological Day/Journée climatologique 0001 C.S.T. - 0000 C.S.T.  
2. Hours are C.S.T./Les heures sont a l'heure normale de la localite C.S.T.

CLIMATOLOGICAL SUMMARY FOR JUNE 1989AT WINNIPEG, MANITOBA

A complete reversal of the precipitation pattern occurred this month, as the total of 150.2 mm of rain that fell was nearly twice the normal 80.1 mm. This was the highest June total since 1984.

Temperatures averaged slightly below normal, with a mean of 16.5 degrees compared to the normal 16.8. The highest reading was 30.6 on the 19th and the lowest, a record breaking -0.8 for the 4th.

Sunshine was very close to normal, while the winds were much lighter than usual, averaging 14.5 km/h compared to the normal 18.1.

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DAILY WEATHER SUMMARY FOR JUNE 1989AT WINNIPEG, MANITOBA

1. Sunny with increasing cloud through the day, rain showers in the evening. Temperatures above normal. Winds light except for a period of moderate in the afternoon.
2. Sunny with a few clouds in the morning. Temperatures slightly below normal. Winds moderate occasionally gusting strong.
3. Sunny with a few clouds in the morning. Temperatures near normal. Winds light becoming moderate gusting strong occasionally strong gusting to gale force by noon. Winds reduced to light late in the evening.
4. Sunny becoming overcast by the afternoon, with rainshowers in the late afternoon. Temperatures below normal. Winds light.
5. Overcast with rainshowers early in the morning, becoming cloudy with sunny periods, clearing in the evening. Temperatures slightly above normal. Winds light.
6. Cloudy to overcast with rainshowers and thunder and rainshowers in the evening. Temperatures below normal. Winds light becoming moderate occasionally gusting strong by late afternoon.
7. Overcast with rain and fog in the morning, cloudy in the afternoon. Temperatures below normal. Winds moderate occasionally gusting strong, reducing to light in the evening.
8. Sunny. Temperatures below normal. Winds light.
9. Sunny. Temperatures slightly below normal. Winds light.
10. Sunny becoming cloudy in the evening. Temperatures near normal. Winds light.
11. Sunny becoming overcast with rainshowers and fog in the afternoon. Temperatures slightly above normal. Winds light becoming moderate in the evening.
12. Overcast with light rain and fog, with a period of heavy rain around mid-morning. Temperatures below normal. Winds moderate gusting strong.
13. Cloudy to overcast with light rain clearing in the afternoon. Temperatures below normal. Winds moderate gusting strong reducing to light in the evening.
14. Sunny. Temperatures slightly below normal. Winds light.
15. Sunny. Temperatures near normal. Winds light.
16. Sunny. Temperatures slightly above normal. Winds light, increasing to moderate gusting strong by mid-morning, decreasing slightly to moderate in the evening.
17. Sunny with cloud increasing to cloudy to overcast with light rainshowers in the evening. Winds moderate occasionally gusting strong, decreasing to light by noon. Temperatures slightly above normal.
18. Sunny. Temperatures above normal. Winds light.
19. Sunny. Temperatures above normal. Winds light with occasional moderate periods in the afternoon and evening.
20. Cloudy to overcast with a few sunny breaks. Temperatures above normal. Winds moderate gusting strong, reducing to light late in the evening.
21. Cloudy with some sunny periods, becoming cloudy to overcast with light rainshowers in the evening. Temperatures slightly above normal. Winds light to moderate, becoming light in the evening.
22. Sunny with a few clouds. Temperatures slightly above normal. Winds light.
23. Cloudy to overcast with light rainshowers till noon, clearing in the evening. Temperatures slightly below normal. Winds light.
24. Sunny with a few cloudy periods, becoming overcast with thunder and rainshowers in the evening. Temperatures slightly above normal. Winds light with occasional moderate periods in the afternoon and evening.
25. Cloudy with a few sunny periods clearing slightly in the evening. Temperatures near normal. Winds light.
26. Cloudy with thunder and rainshowers in the morning, and rainshowers in the evening. Temperatures below normal. Winds light becoming moderate occasionally gusting strong near noon, reducing to light in the evening.
27. Cloudy with rainshowers early morning becoming sunny in the afternoon. Temperatures below normal. Winds light.
28. Cloudy with rainshowers. Temperatures near normal. Winds light becoming moderate with gusts.
29. Cloudy with thundershowers. Temperatures above normal. Winds light.
30. Partly cloudy becoming clear in the afternoon. Temperatures above normal. Winds light.